

CLAIMS

What is claimed is:

1. An implantable cardiac stimulation system comprising:
an implantable cardiac stimulating device;
at least one implantable electrode coupled to the implantable cardiac stimulating device, the implantable electrode operative to sense cardiac electrical activity and to provide an electrogram signal;
a filter to filter the electrogram signal with a low frequency cutoff of no greater than about 1 to 2 Hz and a high frequency cutoff of no less than about 250 Hz to provide a filtered electrogram signal.
2. The system of claim 1 wherein the implantable cardiac stimulation device comprises a telemetry circuit that transmits the filtered electrogram signal.
3. The system of claim 2 wherein the implantable cardiac stimulation device comprises a memory operative to store the filtered electrogram signal.
4. The system of claim 1 wherein the at least one electrode is adapted for implant in the right atrium of the heart.
5. The system of claim 1 wherein the at least one electrode is adapted for implant in or proximal to a ventricle of the heart.
6. The system of claim 1 wherein the at least one electrode comprises a first electrode adapted for implant in or proximal to an atrium of the heart and a second electrode adapted for implant in or proximal to a ventricle of the heart.

7. The system of claim 1 wherein the at least one electrode comprises a first electrode adapted for implant in the right atrium of the heart and a second electrode adapted for implant in the right ventricle of the heart.

8 . An implantable cardiac stimulation system comprising:
an implantable cardiac stimulating device;
at least one implantable electrode coupled to the implantable cardiac stimulating device, the implantable electrode operative to sense cardiac electrical activity and to provide an electrogram signal;
a filter to filter the electrogram signal with a low frequency cutoff of no greater than about 1 to 2 Hz and a high frequency cutoff of about 250 Hz to provide a filtered electrogram signal.

9. The system of claim 7 wherein the implantable cardiac stimulation device comprises a telemetry circuit that transmits the filtered electrogram signal.

10. The system of claim 9 wherein the implantable cardiac stimulation device comprises a memory operative to store the filtered electrogram signal.

11. The system of claim 7 wherein the at least one electrode is adapted for implant in the right atrium of the heart.

12. The system of claim 7 wherein the at least one electrode is adapted for implant in or proximal to a ventricle of the heart.

13. The system of claim 7 wherein the at least one electrode comprises a first electrode adapted for implant in or proximal to an atrium of the heart and a second electrode adapted for implant in or proximal to a ventricle of the heart.

14. The system of claim 7 wherein the at least one electrode comprises a first electrode adapted for implant in the right atrium of the heart and a second electrode adapted for implant in the right ventricle of the heart.